

FIG. 1A

FIG. 1B

FIG. 1C

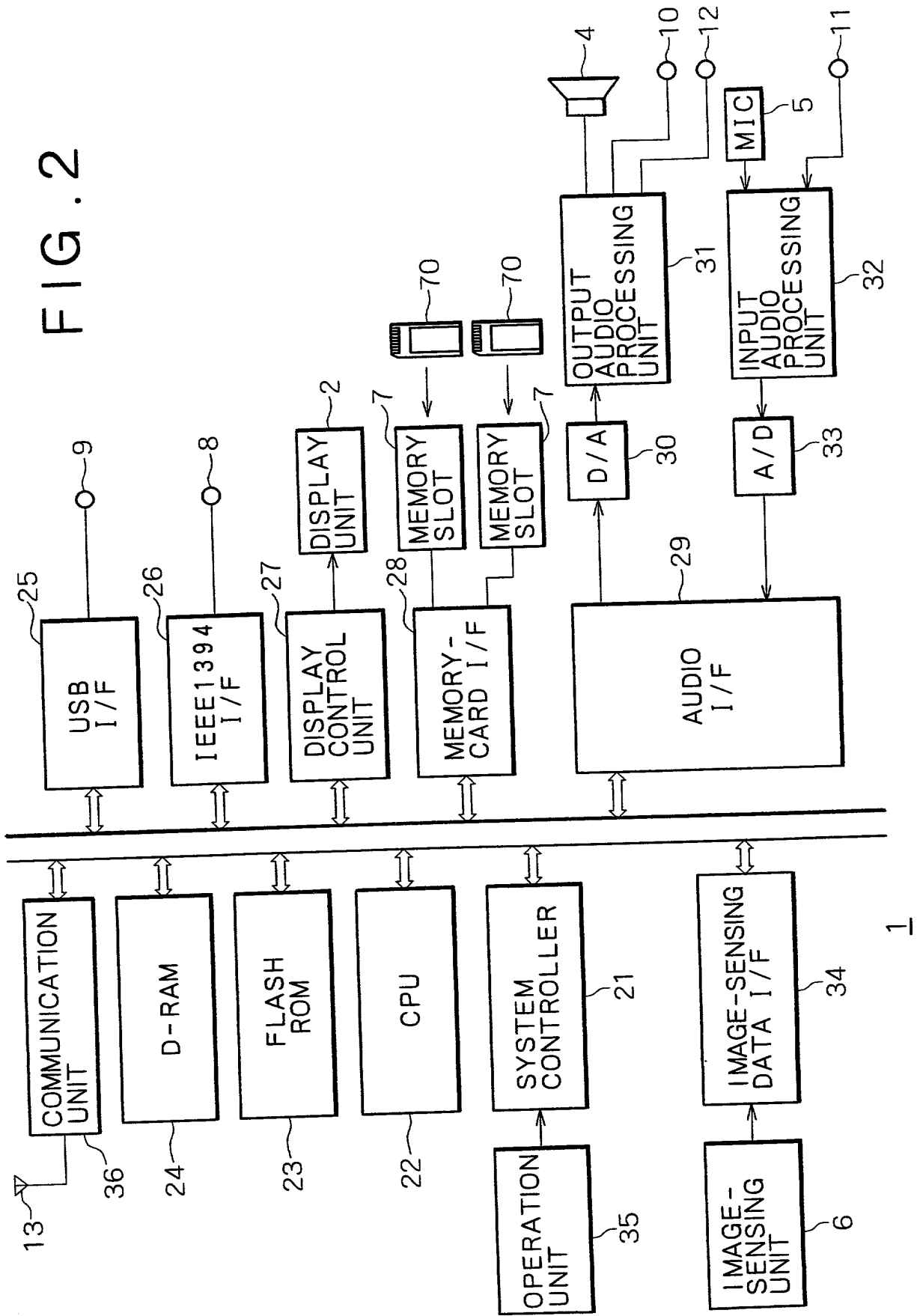


FIG. 3

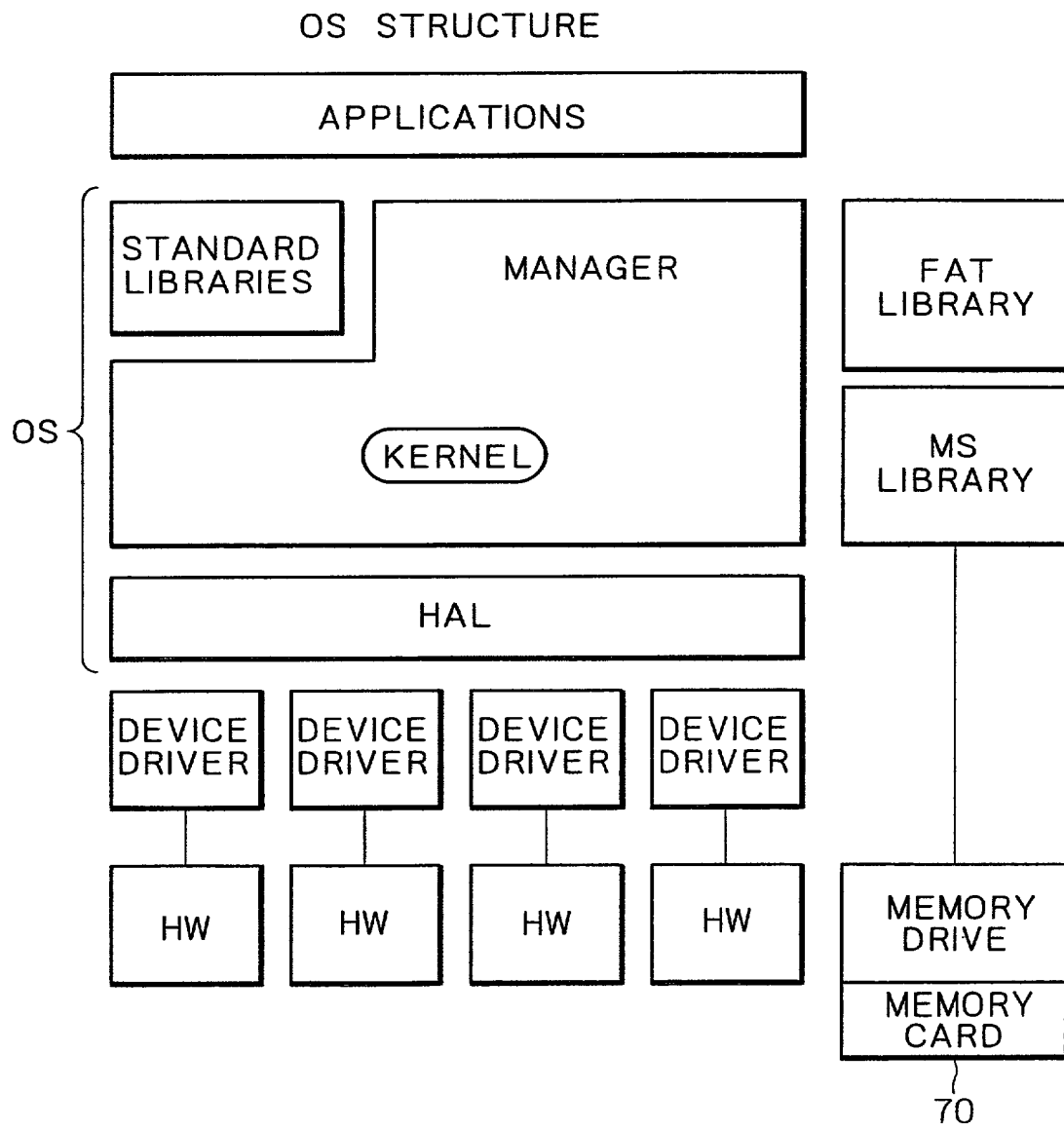
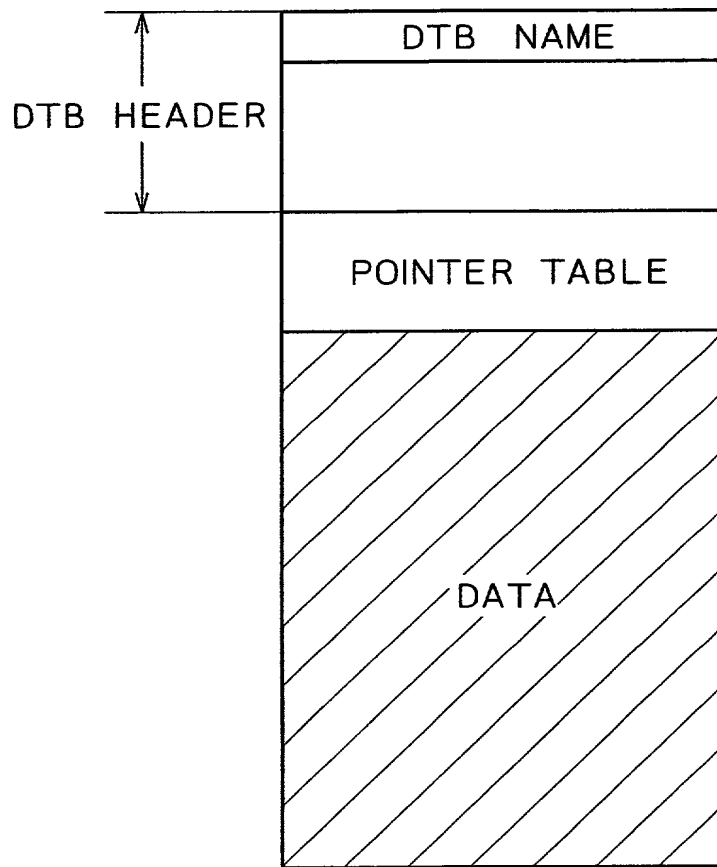


FIG. 4

DATABASE STRUCTURE



- RESOURCE DATABASE
(CORRESPONDING TO THE EXECUTION FILE)
- DATABASE DATABASE
(CORRESPONDING TO A DATA FILE)

FIG. 5

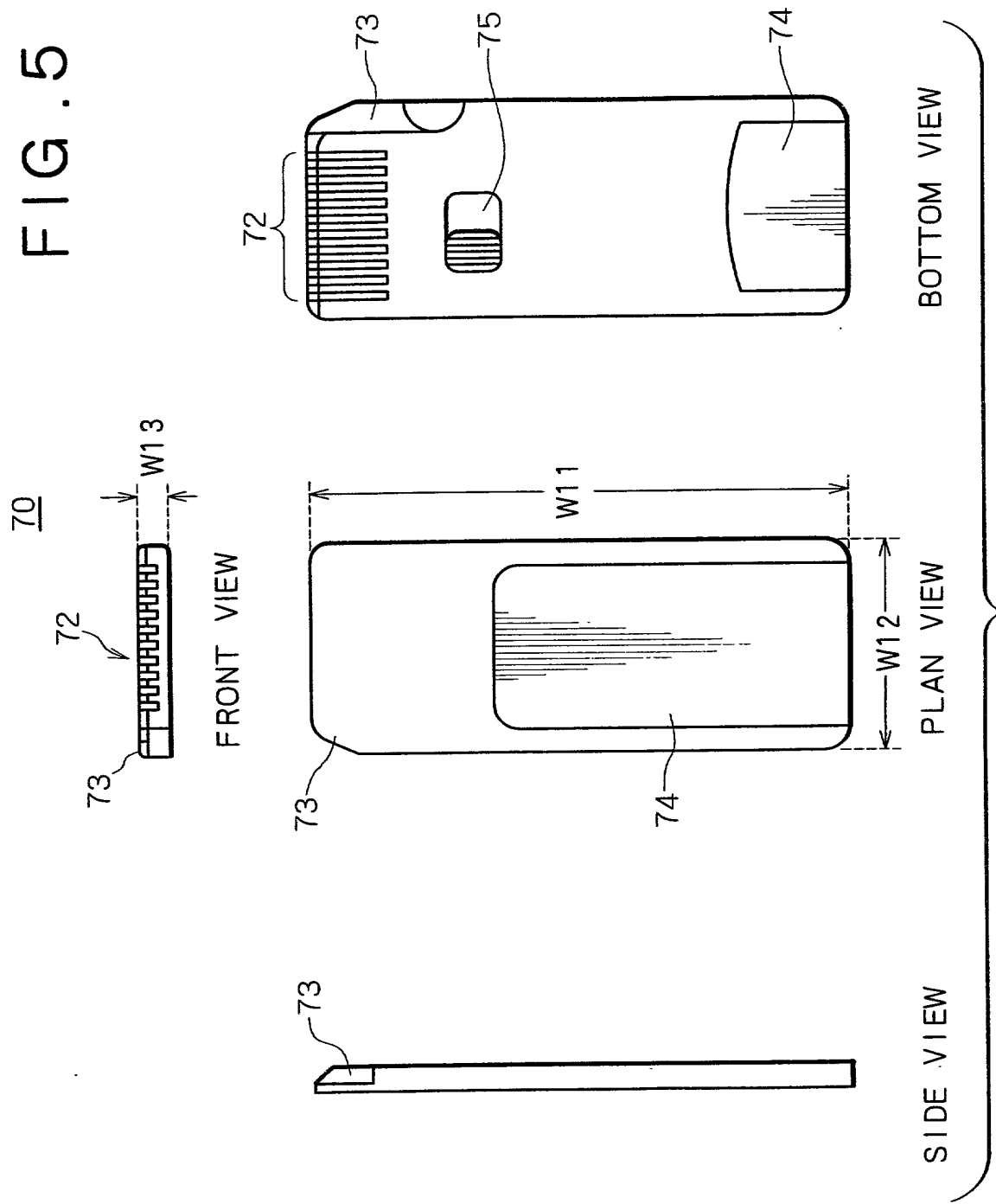


FIG. 6

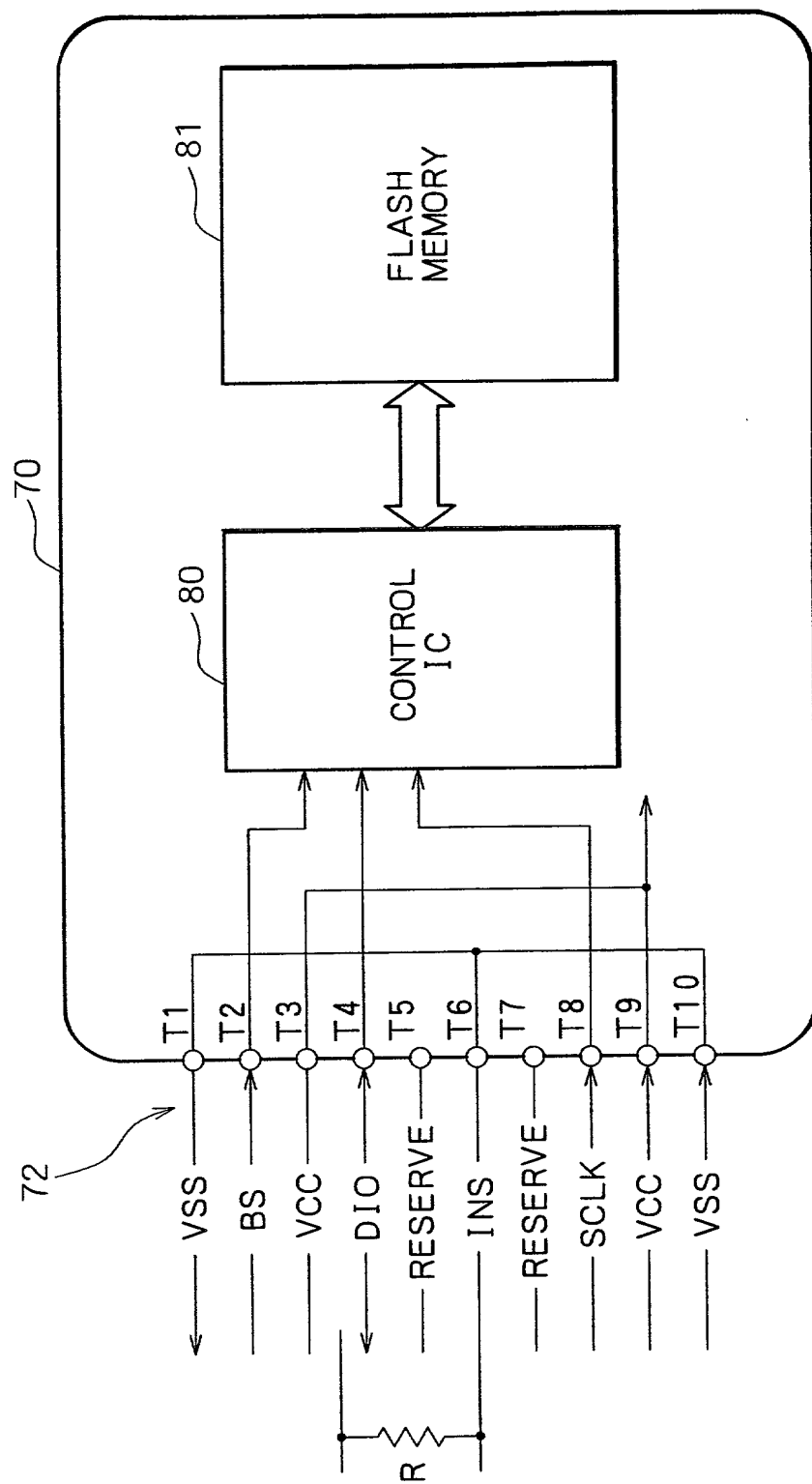


FIG .7

APPLICATION PROCESSING
FILE MANAGEMENT PROCESSING
LOGICAL-ADDRESS MANAGEMENT
PHYSICAL-ADDRESS MANAGEMENT
FLASH-MEMORY ACCESS

PROCESSING HIERARCHY OF FILE SYSTEM

FIG. 8A

FIG. 8B

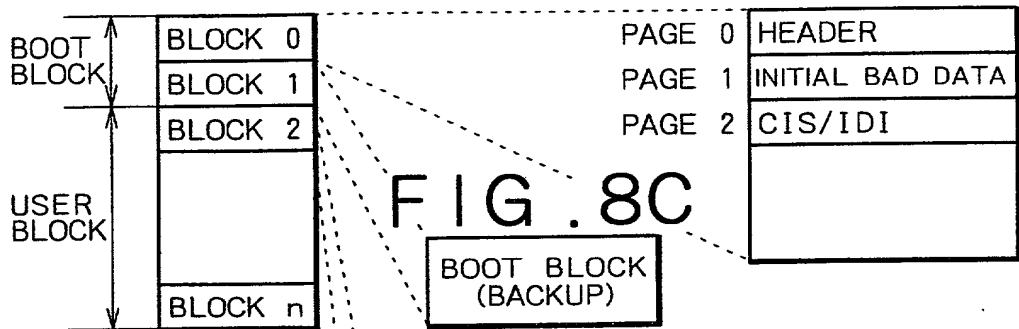


FIG. 8C

FIG. 8D

FIG. 8E

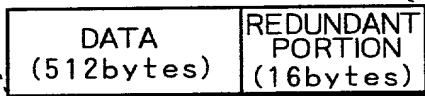
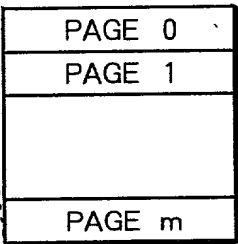


FIG. 8F

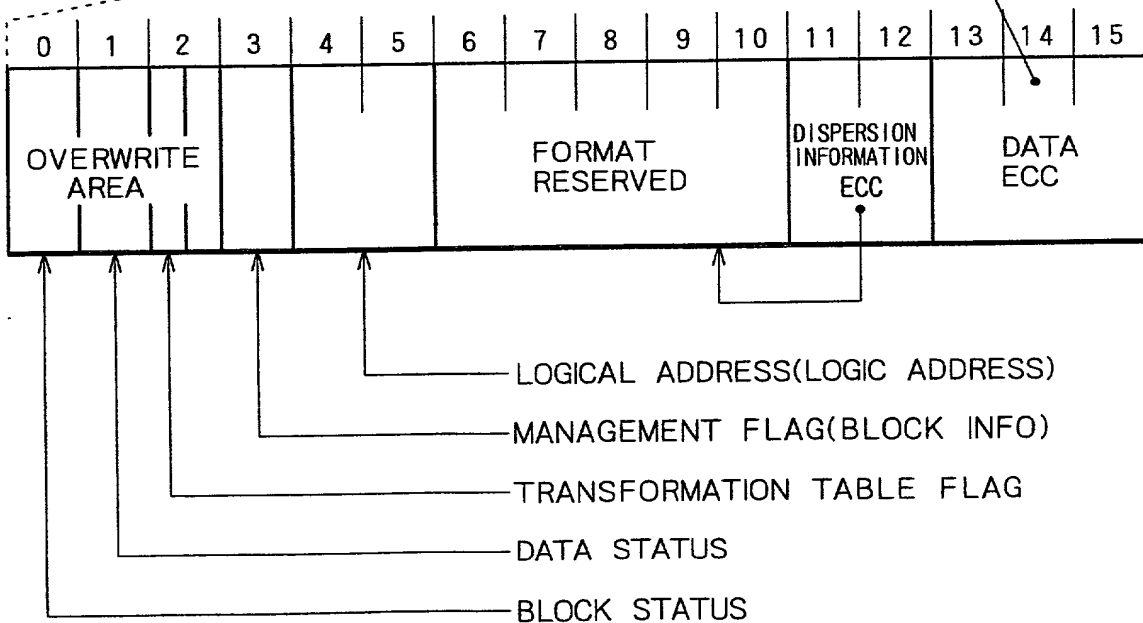
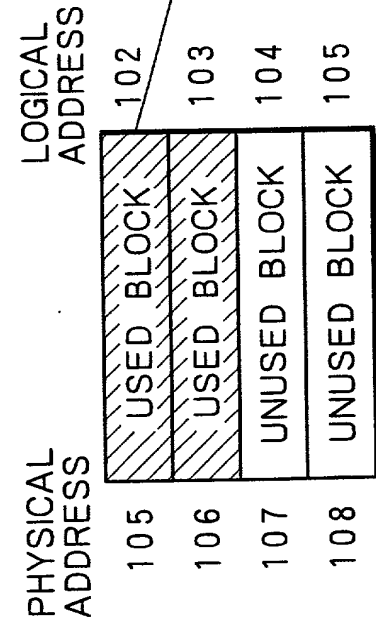


FIG. 9

MANAGEMENT FLAG

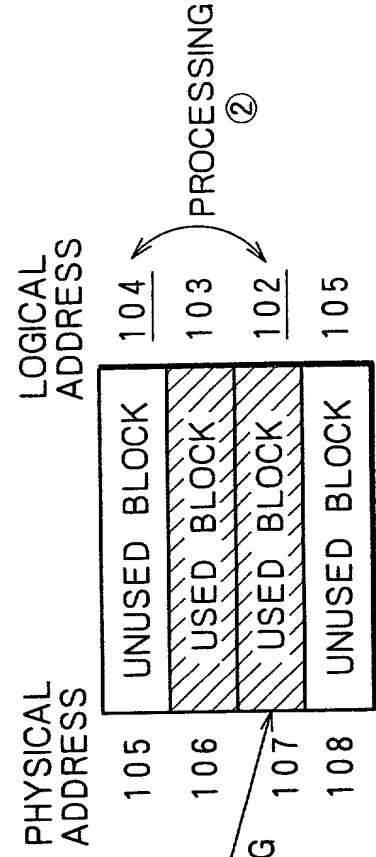
BIT	DEFINITION
7	RESERVED
6	RESERVED
5	ACCESS PERMISSION (1:FREE 0:READ-PROTECTED)
4	COPY-INHIBIT SPECIFICATION (1:OK 0:NG)
3	TRANSFORMATION TABLE FLAG (1:INVALID 0:TABLE BLOCK) * ONLY THE LAST SEGMENT IS VALID
2	SYSTEM FLAG (1:USER BLOCK 0:BOOT BLOCK)
1	RESERVED
0	RESERVED

FIG. 10A



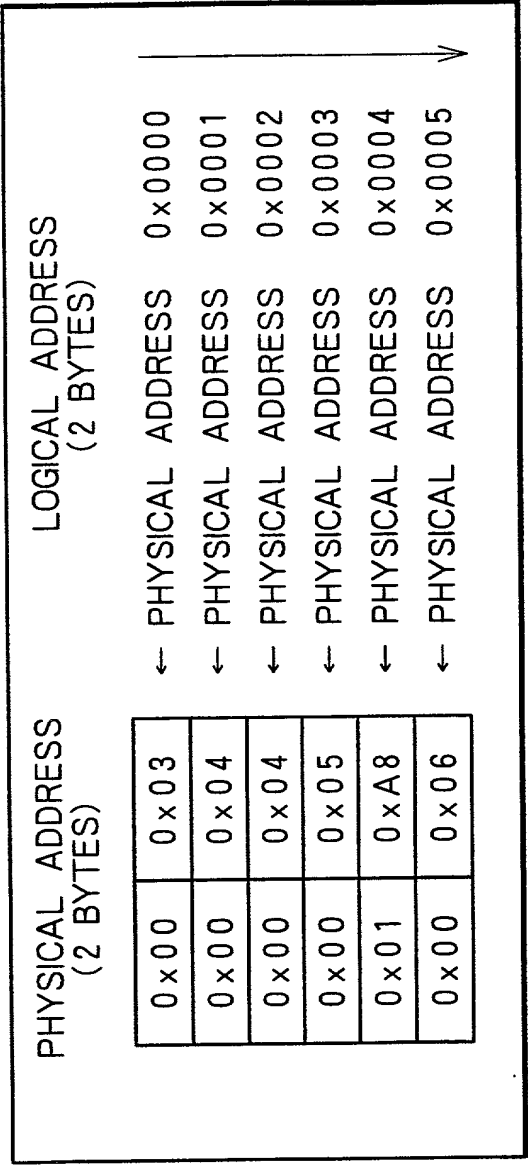
BEFORE
DATA-UPDATING PROCESSING

FIG. 10B



AFTER
DATA-UPDATING PROCESSING

FIG. 11



IN AN ORDER OF INCREASING LOGICAL ADDRESSES, PHYSICAL ADDRESSES CORRESPONDING TO THE LOGICAL ADDRESSES ARE STORED.

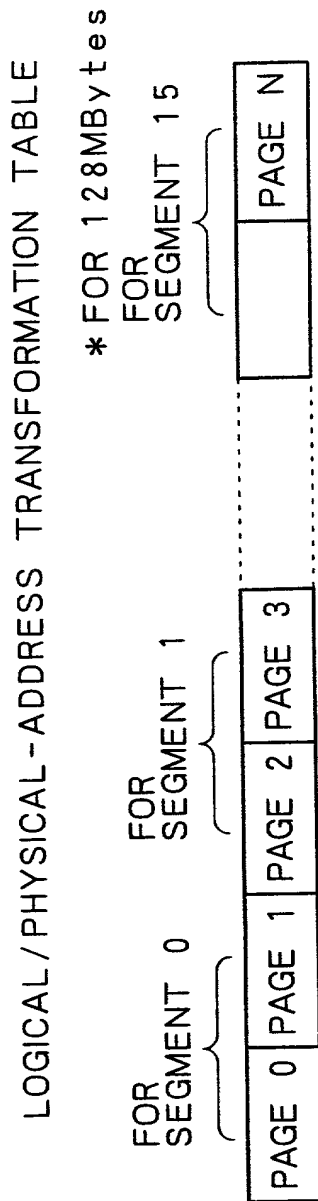


FIG. 12A

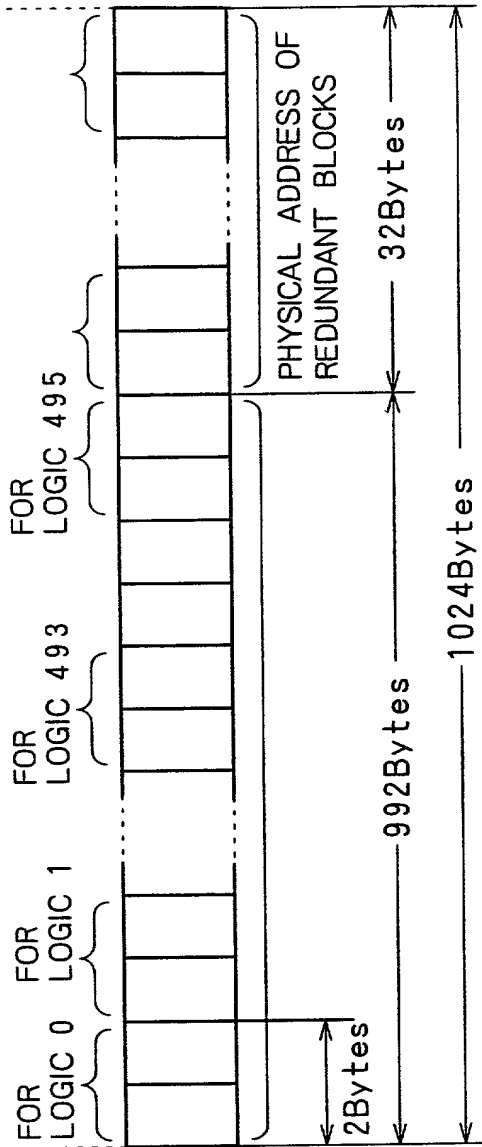


FIG. 12B

FIG. 13

FLASH-MEMORY CAPACITY	BLOCK COUNT	1-BLOCK CAPACITY	1-PAGE CAPACITY	LOGICAL/PHYSICAL- ADDRESS TRANSFORMATION TABLE SIZE
4MB	512 (1 SEGMENT)	8KB (16 PAGES)	(512+16) B	1KB (2 PAGES)
8MB	1024 (2 SEGMENTS)	8KB (16 PAGES)	(512+16) B	2KB (4 PAGES)
16MB	2048 (4 SEGMENTS)	8KB (16 PAGES)	(512+16) B	4KB (8 PAGES)
	1024 (2 SEGMENTS)	16KB (32 PAGES)	(512+16) B	2KB (4 PAGES)
32MB	2048 (4 SEGMENTS)	16KB (32 PAGES)	(512+16) B	4KB (8 PAGES)
64MB	4096 (8 SEGMENTS)	16KB (32 PAGES)	(512+16) B	8KB (16 PAGES)
128MB	8192 (16 SEGMENTS)	16KB (32 PAGES)	(512+16) B	16KB (32 PAGES)

FIG. 14

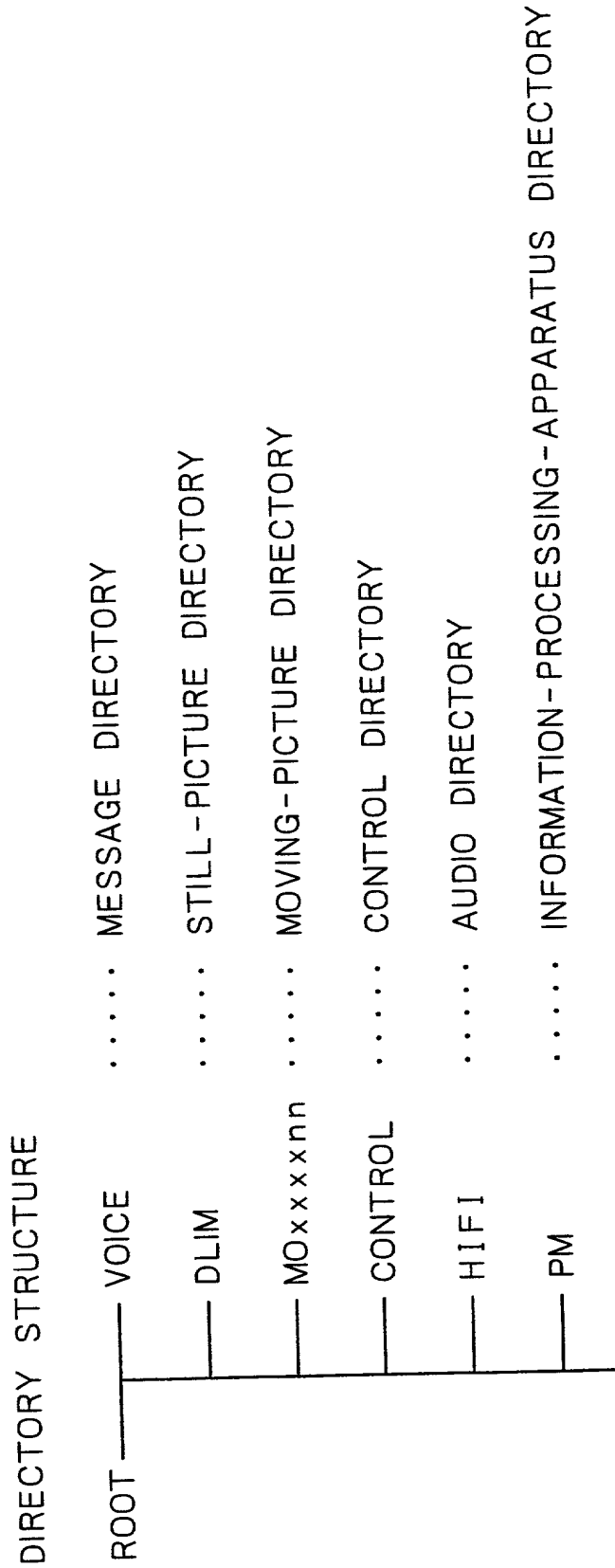


FIG. 15

FAT STRUCTURE OUTLINE

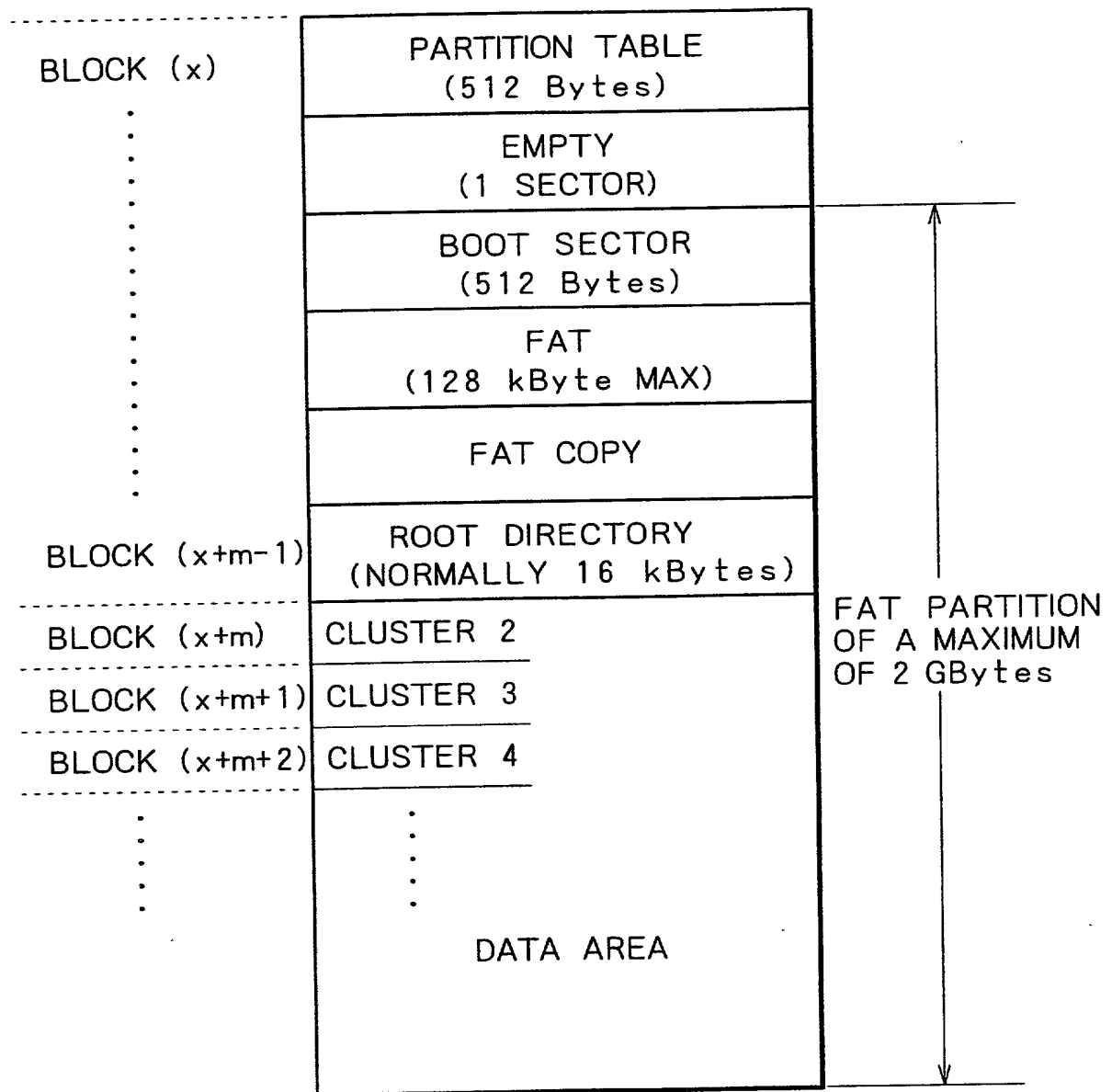


FIG. 16

FAT CONCEPTUAL DIAGRAM

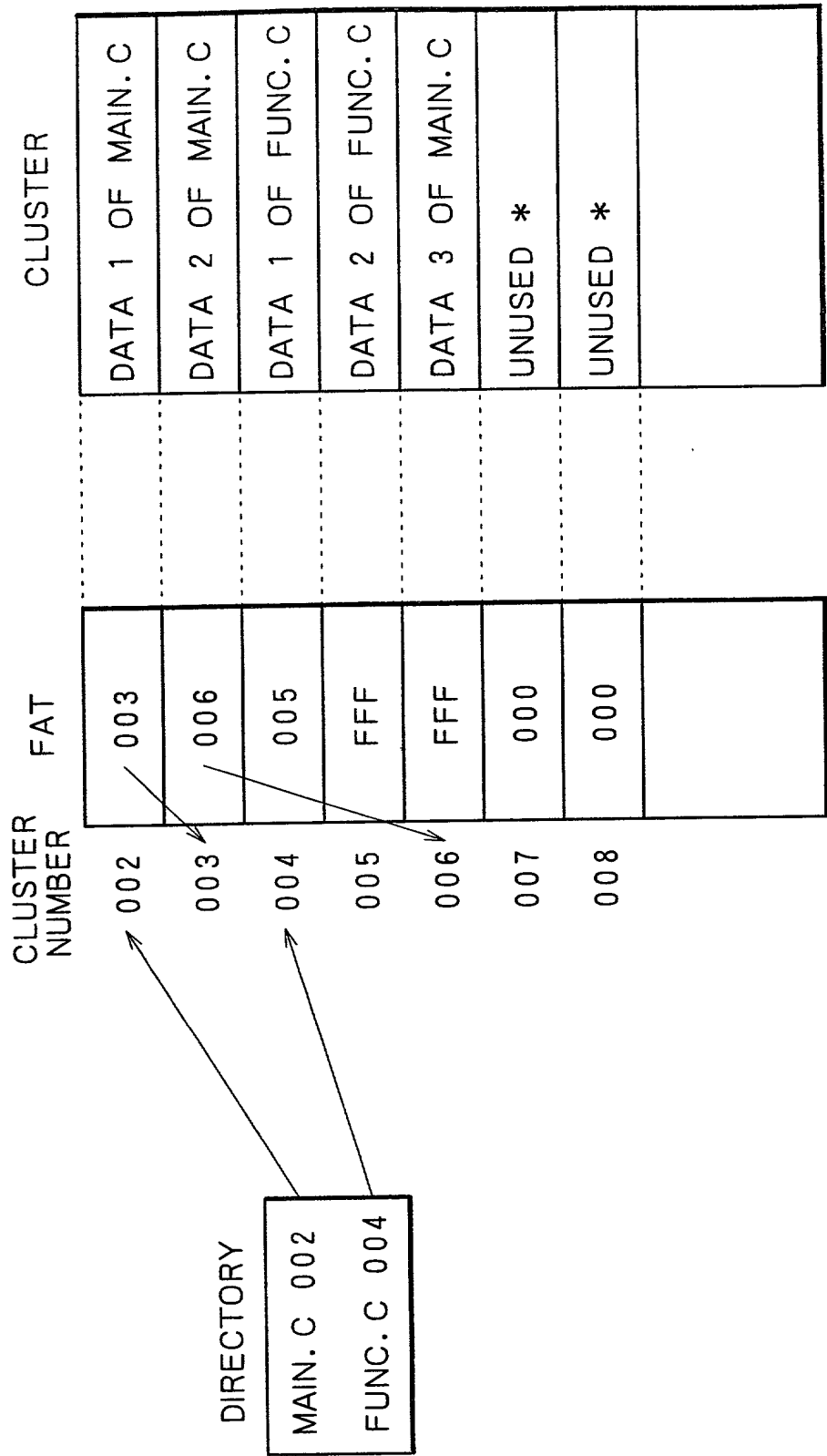


FIG. 17

DIRECTORY STRUCTURE OF 1 FILE.
EACH NUMBER ENCLOSED IN PARENTHESES IS THE NUMBER OF BYTES.

FILE NAME (8)	EXTENSION (3)	ATTRIBUTE (1)	RESERVED (10)	TIME (2)	DATE (2)	FIRST CLUSTER (2)	SIZE (4)
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FIG. 18

LOCATION OF A FILE WITH
A FULL NAME OF DIR1*DIR2*FILE.

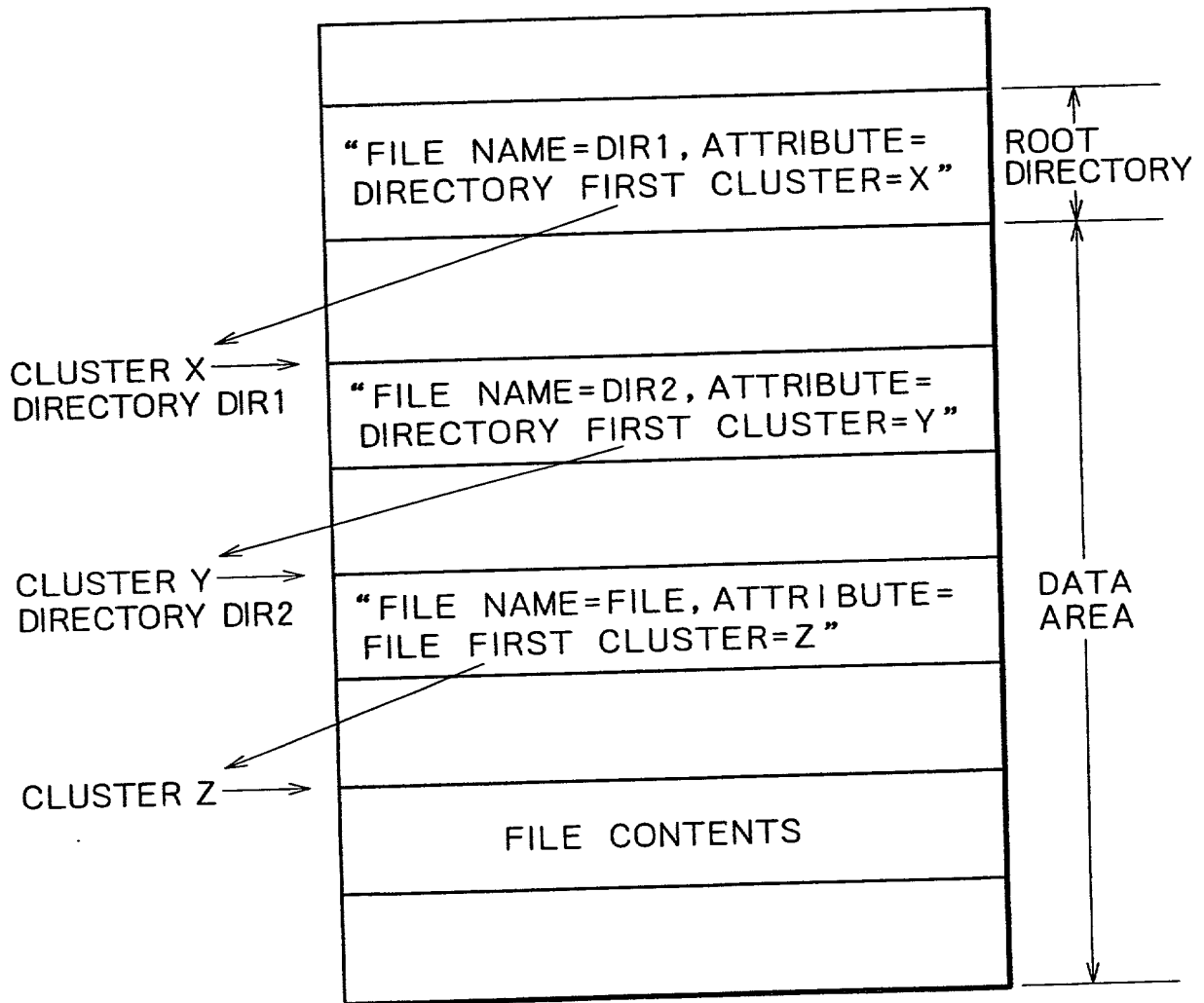


FIG. 19

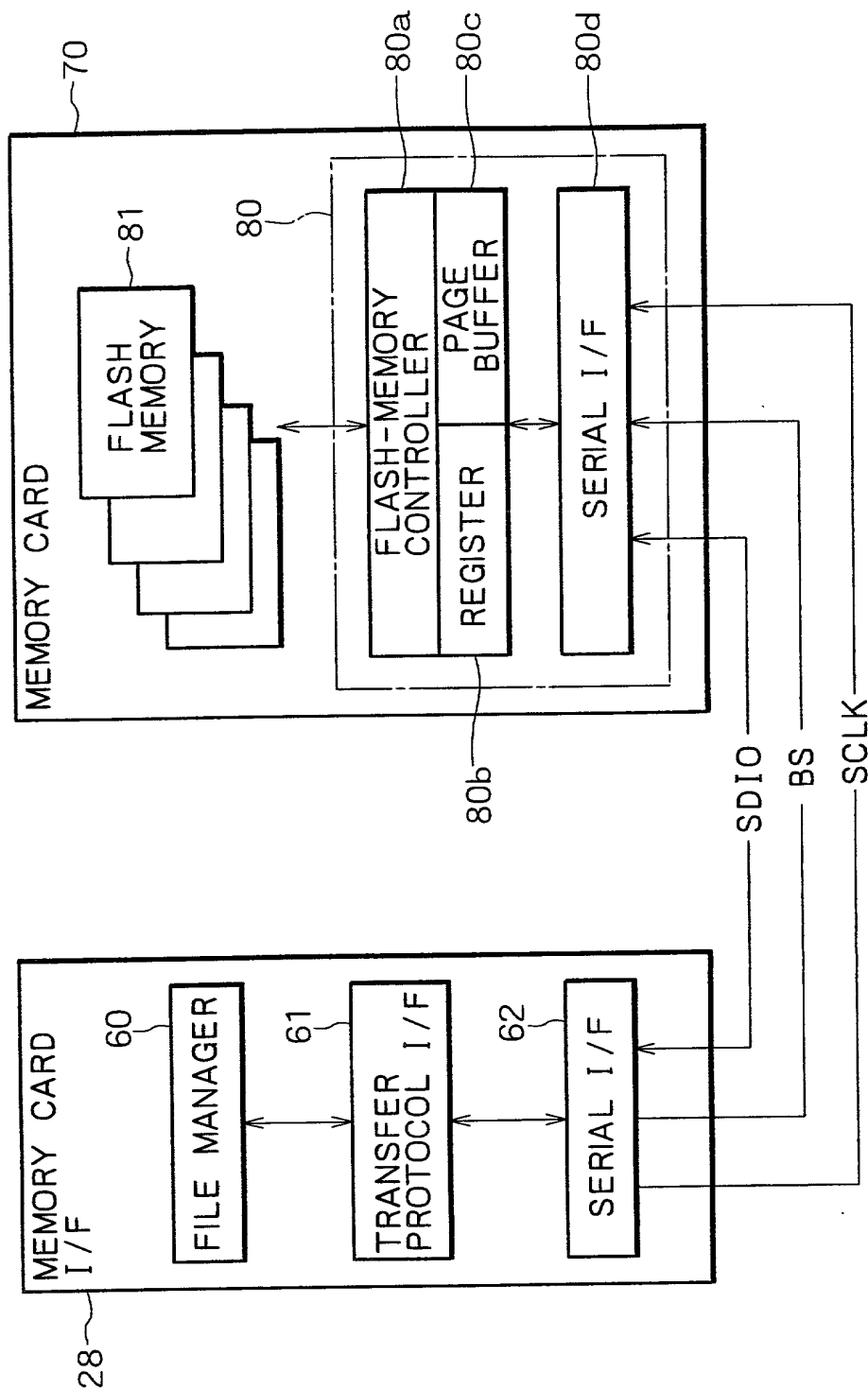


FIG. 20

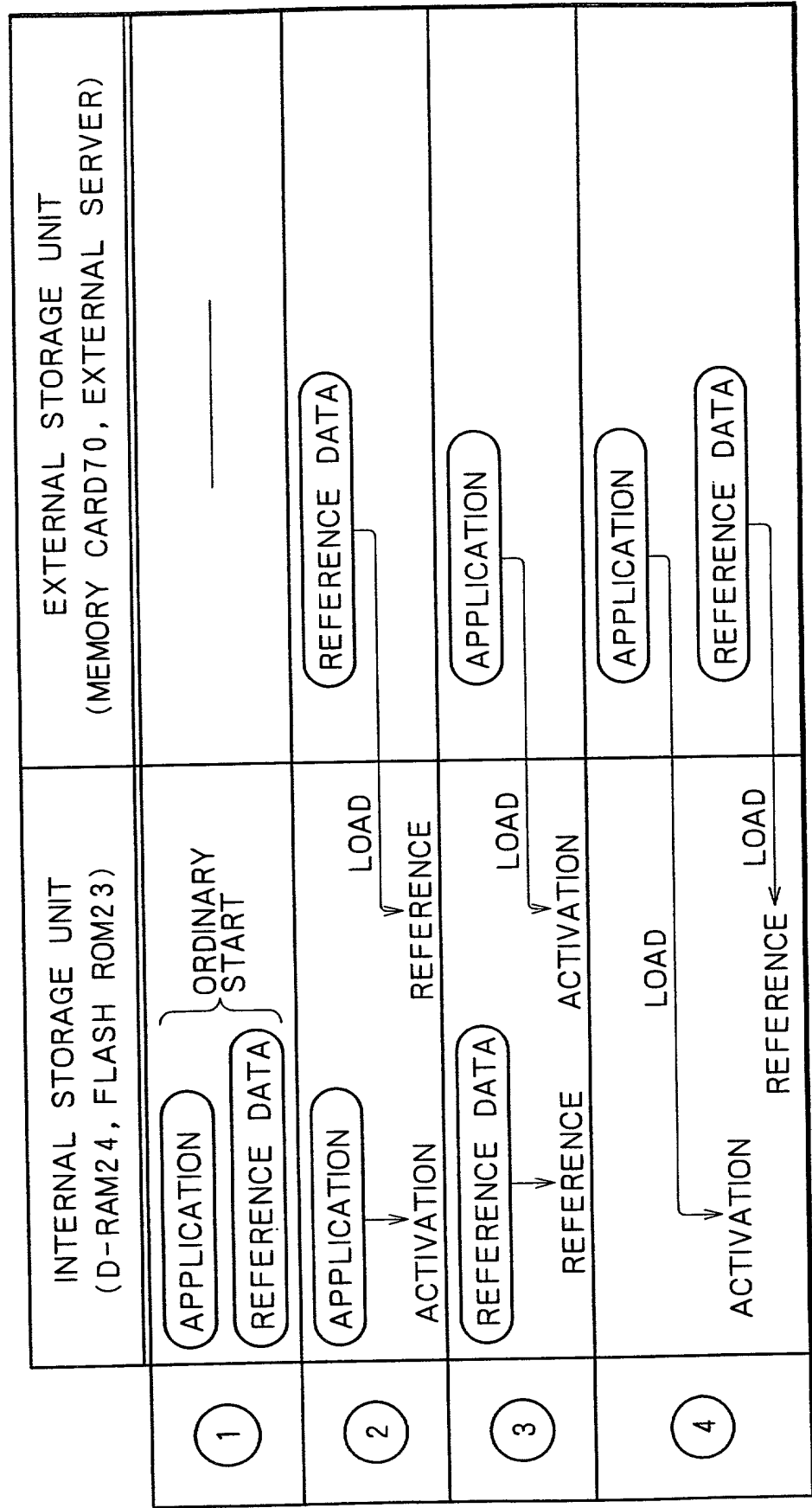


FIG. 21

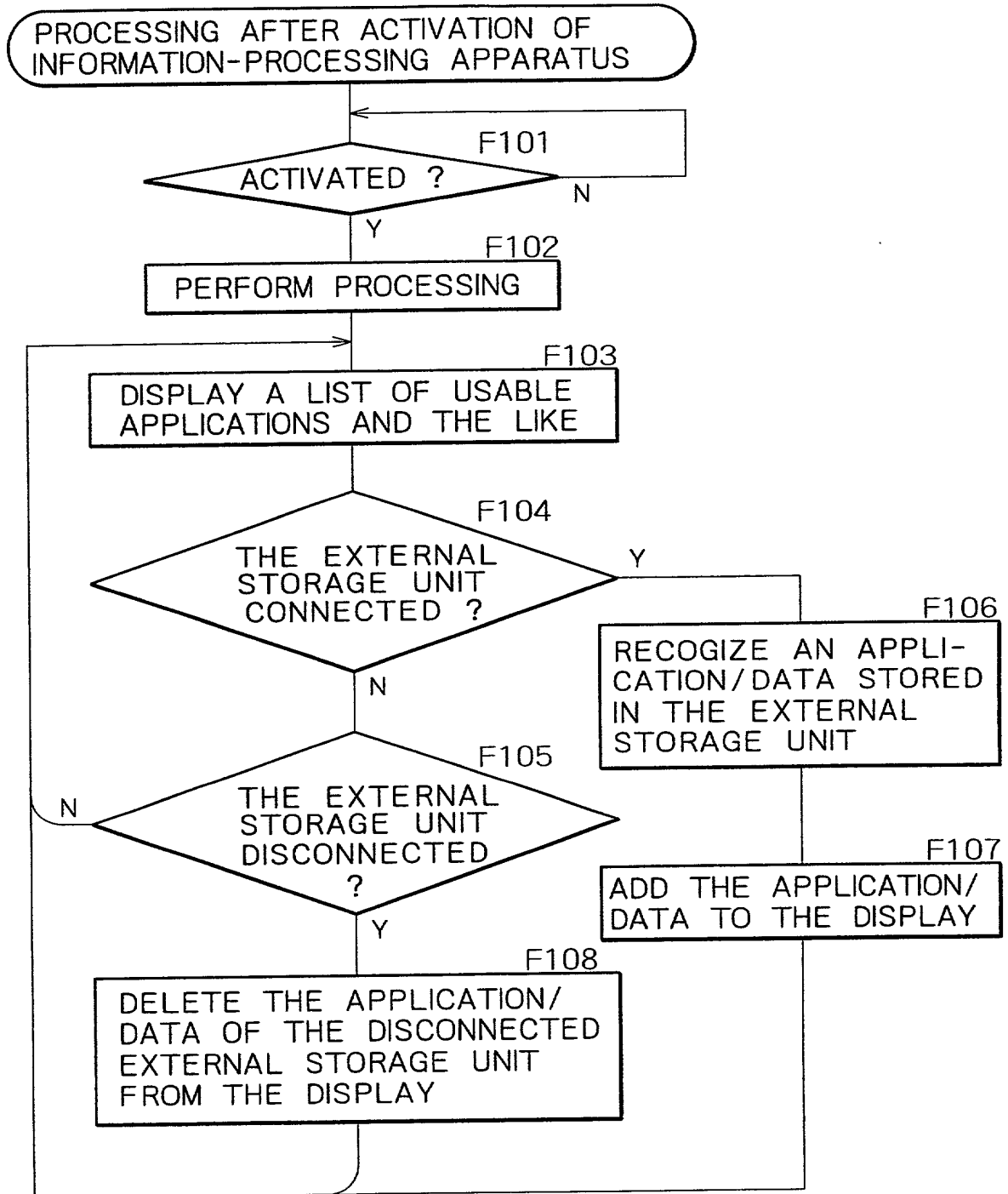


FIG. 22

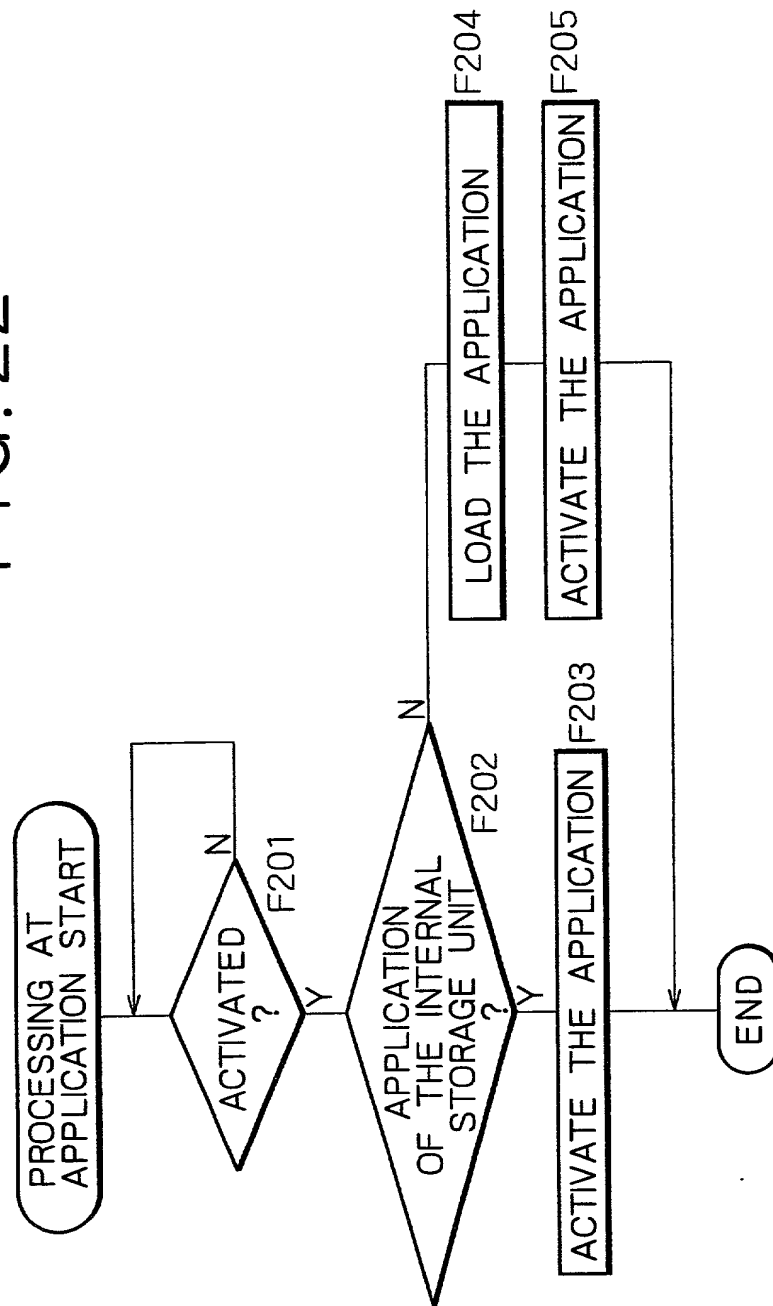


FIG. 23

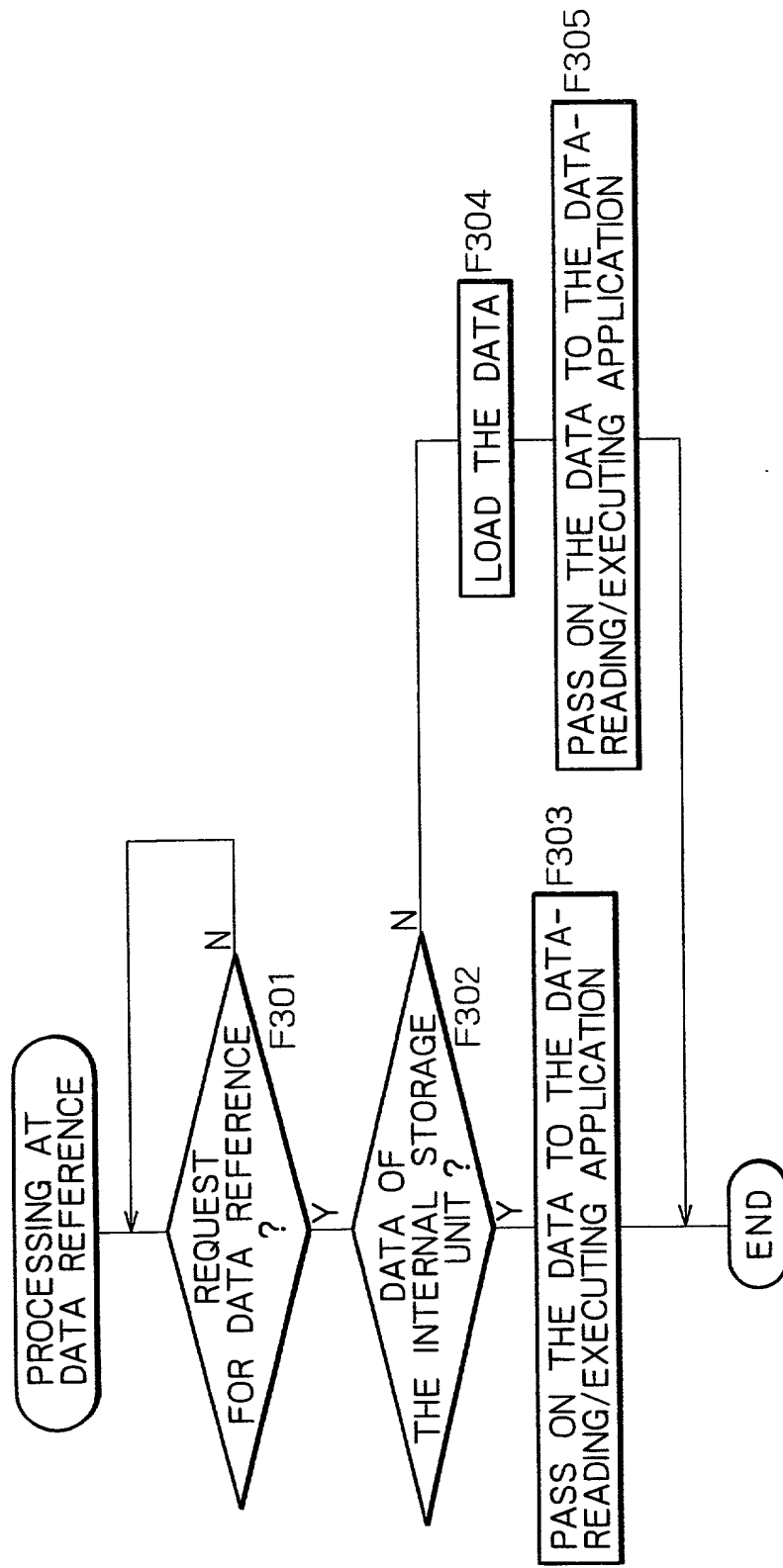


FIG. 24

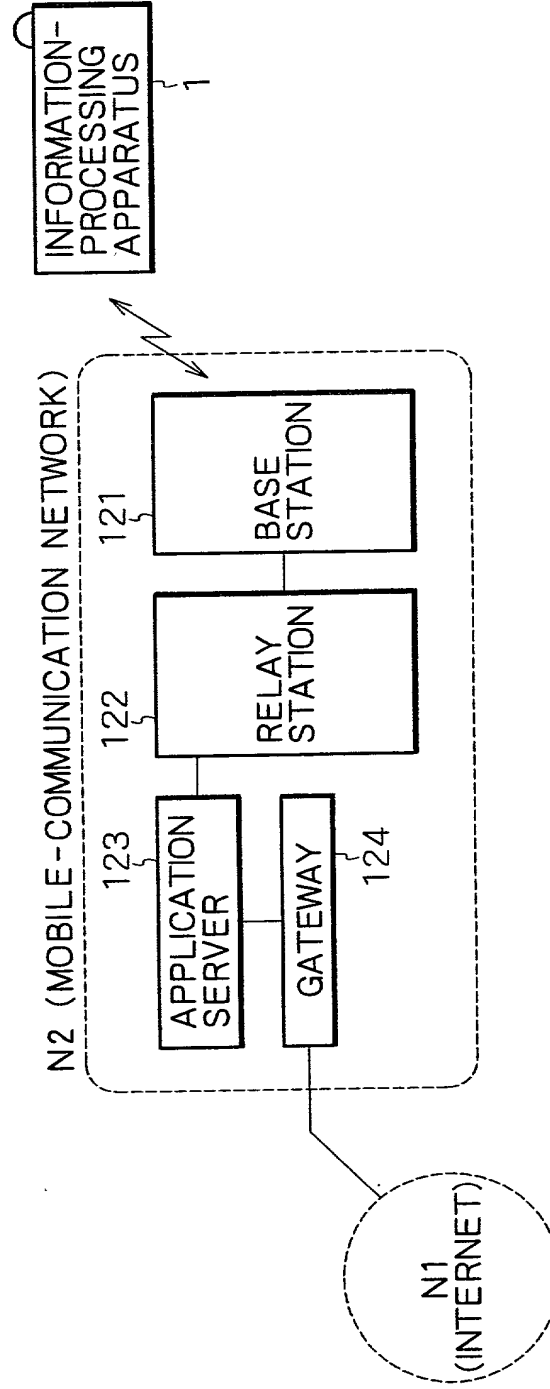


FIG. 25

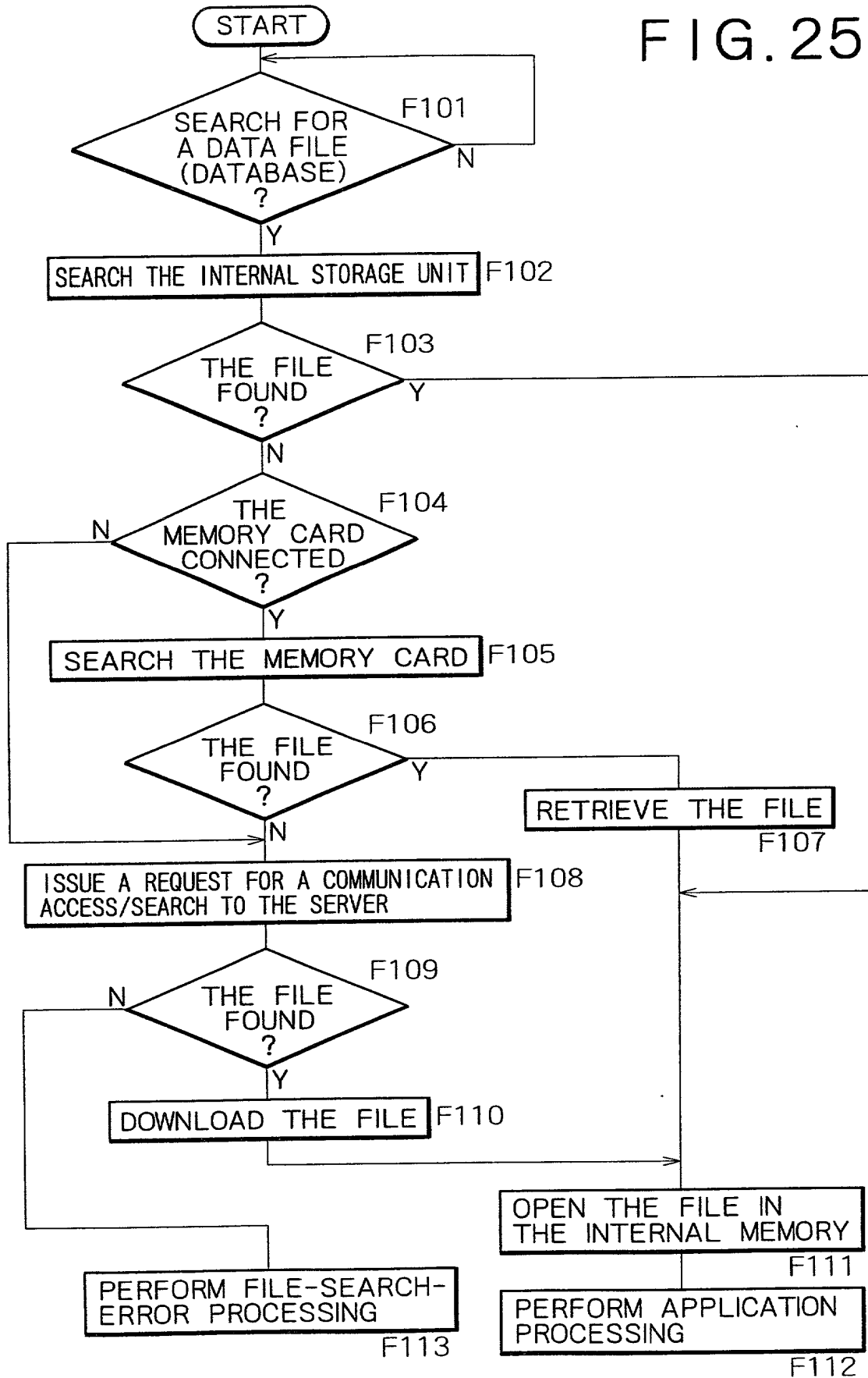


FIG. 26

ENTRY COUNT=4			TABLE SIZE=0X1000		
APPLICATION ID	APPLICATION NAME	ACTIVATION COUNT	SAVE FLAG	TEMPORARY ATTRIBUTE	ADDRESS
1	AKIHABARA MAP	24	1	0	NULL
2	Palmscape	256	0	0	0X130000
3	MultiMail	384	0	0	0X120000
4	GO WITH A LOTTERY	51	0	1	0X100000

FIG. 27

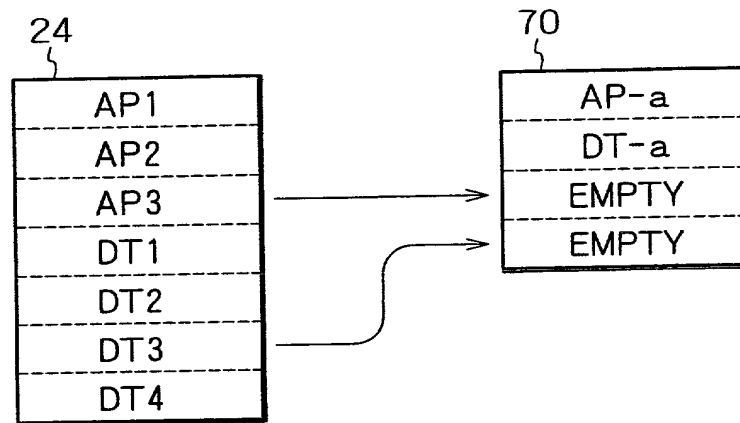


FIG. 28

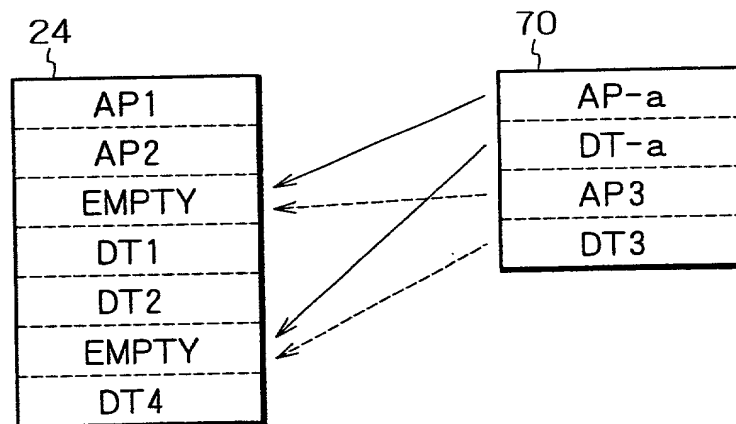


FIG. 29

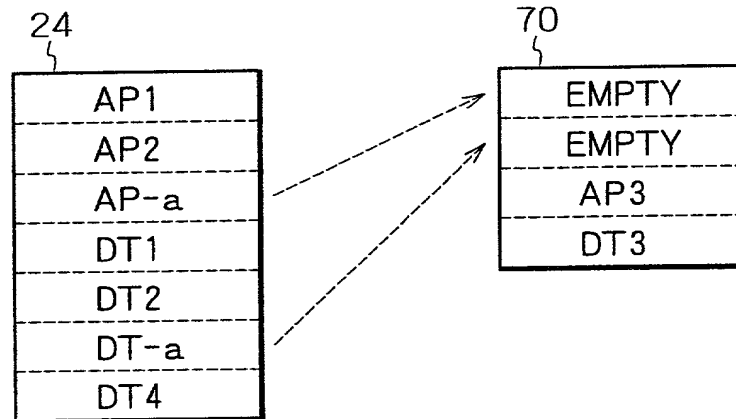


FIG. 30

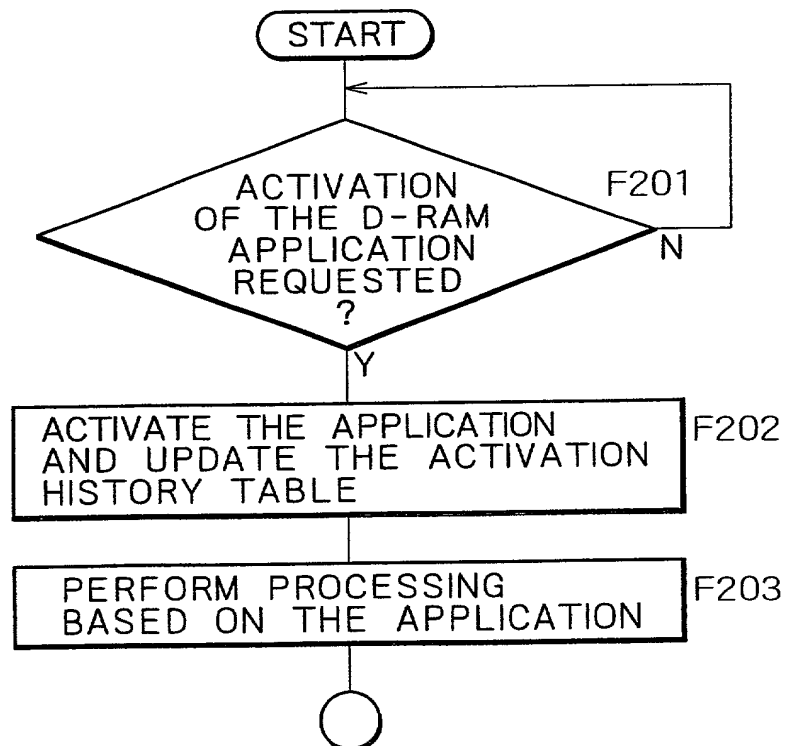


FIG. 31

